BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work : Providing pipeline in ward no.07 byatarayanapura, kodigehalli Subdivision

Estimated Cost Rs: 2000000.00

Sl No	Description of work	No	Dimensions			Qty	Rate	Amount
			L	B	D			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)
1	**Cutting of road surface** for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., **in the Asphalt surface road. (P-269, It-37.38)**							
	Main Line	1	895.00	0.45	0.20	80.55		
					Total	**80.55**	**475.94**	**38337.00**
	Basic Rate	449.00	**cum**					
	Add AW 6%	26.94						
	Total	**475.94**						
2	**Cutting of road surface** for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., **in the Cement Concrete road. (P-269, It-37.40)**							
	Main Line	1	900.00	0.45	0.20	81.00		
					Total	**81.00**	**727.16**	**58900.00**
	Basic Rate	686.00	**cum**					
	Add AW 6%	41.16						
	Total	**727.16**						
3	KSRRB 300-1. Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)							
	Asphalt surface road.	1	895.00	0.45	0.45	181.24		
	Concrete surface road	1	900.00	0.45	0.45	182.25		
	Over burden earth	1	110.00	1.00	0.40	44.00		
					Total	**407.49**	**137.80**	**56152.00**
	Basic Rate	130.00	**cum**					
	Add AW 6%	7.80						
	Total	**137.80**						

4	*Providing and fixing Chorinated Poly Venyl Chloride(CPVC) pipes confirming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass treaded fittings including fixing the pipe with clamp at 1.oo m spacing.This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (inertnal work exposed on wall).* ***PRED SR 2016-17(P-231, Item No.15mm nominal OD PIPES)*** *63mm dia of 6Kg/Cm2*							
		1	*1795.00*			*1795.00*		
					Total	***1795.00***	***121.90***	***218811.00***
	Basic Rate	*115.00*	***m***					
	Add AW 6%	6.90						
	Total	***121.90***						
5	*KSRB 2.4: Refilling available earth around the pipe lines, cables in layers not exceeding 20 cms in depth , compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications.* ***PRED SR 2016-17 (P-155, Item No.2.11)***							
		1	*1795.00*	*0.45*	*0.40*	*323.10*		
					Total	***323.10***	***64.66***	***20892.00***
	Basic Rate	*61.00*	***cum***					
	Add AW 6%	3.66						
	Total	***64.66***						
6	*KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/sand/.kanker/moorum. KSRRB M100-1:Placing tipper at loading point, loading with front end loader, dumping, turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1* ***(P-144 & 150 It.No. 17.1)***							
					Qty Vide Item No.1 & 2	*569.04*		
					Total	***569.04***	***94.34***	***53683.00***
	Basic Rate	*57.00*	*cum*					
	Conveying for 10Km 10 x 1.28 x 2.50	*32.00*						
	Sub total	***89.00***						
	Add AW 6%	5.34						
	Total	***94.34***						

7	*KSRB 4-1.3:Providing and laying position plain cement concrete of mix M7.5 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation and plinth including cost of all materials, labour, HOM of machienry, curing complete as per specifications. Specification No.KBS 4.1, 4.2* ***(P-13, It.4.3)***							
	Main Line	*1*	*1795.00*	*0.45*	*0.15*	*121.16*		
					Total	***121.16***	***5408.12***	***655261.00***
	Basic Rate	*5102.00*	***cum***					
	Add AW 6%	306.12						
	Total	***5408.12***						
8	*KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size grader granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 15 cms. thick well compacted, in* ***foundation, plinth and cills,*** *including cost of all materials, labour, HOM of machinary, curing complete as per specifications. Specification No. KBS 4.1, 4.2,* ***(P-13, It;4.5)***							
	Main Line	*1*	*1795.00*	*0.45*	*0.12*	*96.93*		
					Total	***96.93***	***5754.24***	***557758.00***
	Basic Rate	*5328.00*	***cum***					
	Add AW 8%	426.24						
	Total	***5754.24***						
9	*KSRB 13-6.2-2: Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.2/13.3* ***(P-93, It.No.13.27)***							
		20				*20.00*		
					Total	***20.00***	***149.46***	***2989.00***
	Basic Rate	*141.00*	***nos***					
	Add AW 6%	8.46						
	Total	***149.46***						

10	*KSRB 13-6.3-7: Providing and fixing in position brass gate valve with C.I.wheel of approved quality (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6/13.3,* ***(P-93, It.No.13.37)***							
		27	*nos*			*27.00*		
					Total	***27.00***	***2229.18***	***60188.00***
	Basic Rate	*2103.00*						
	Add AW 6%	126.18						
	Total	***2229.18***						
11							*Sub Total*	***1722971.00***
12							*Add GST 12% Charges*	206756.52
13							*Add KRIDL Charges 3%*	51689.13
14							*Add Labour cess charges 1%*	17229.71
15							*Miscellaneous & Rounding off:*	*1353.64*
16							***Grand Total Rs:***	***2000000.00***

1)This is certified that the work spot comes under BBMP limits only.
2) The work spot is inspected by me
3) The items Provided in the Estimate are quite Essential
4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub-division
B.B.M.P.

Executive Engineer
Byatrayanapura Division
B.B.M.P.

Administrative Approval
Accorded For Rs.20.00 lakhs only
Head of A/C P3293
CER NO :113 Dt. 08.01.2019

TA CE (YNK)

TECHNICAL SANCTION
Accorded For Rs. Twenty lakhs only
Head of A/c P-3293
Div. Ref. No. 102/18-19 Date 01/02/19

AE EE(BTP) 01/02